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PATENT

Docket No.265.00170101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lloyd et al. ) Group Art Unit: 1652  
Serial No.: 09/864,866 ) Examiner: M. Walicka  
Confirmation No.: 2264 )  
Filed: May 23, 2001 )  
For: DNA REPAIR POLYPEPTIDES AND METHODS OF USE

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Assistant Commissioner for Patents  
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Appendix A)

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AMENDMENT AND RESPONSE  
UNDER 37 CFR §1.116

Assistant Commissioner for Patents  
Mail Stop AF  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed April 2, 2003, please amend the above-identified application as follows:

In the Claims

Please cancel claims 1-4, 11-12, 23-24, 27-28, 31-32, 35-36, 39-40, and 43-44, without prejudice, and amend claims 21-22, 25-26, 29-30, 33-34, and 37-38. The amended claims are provided below in clean form. Per 37 C.F.R. §1.121, amended claims are also shown in Appendix A with notations to indicate changes made (for convenience, all pending claims are provided in Appendix A).

21. [THREE TIMES AMENDED] A method for increasing the repair rate of damaged bases in a cell, the method comprising introducing to a cell exposed to or at risk of exposure to an agent that damages DNA a composition comprising an amount of an isolated polypeptide effective to increase the repair rate of damaged DNA in the cell compared to a cell that does not comprise the polypeptide, wherein the polypeptide comprises an amino acid sequence selected